

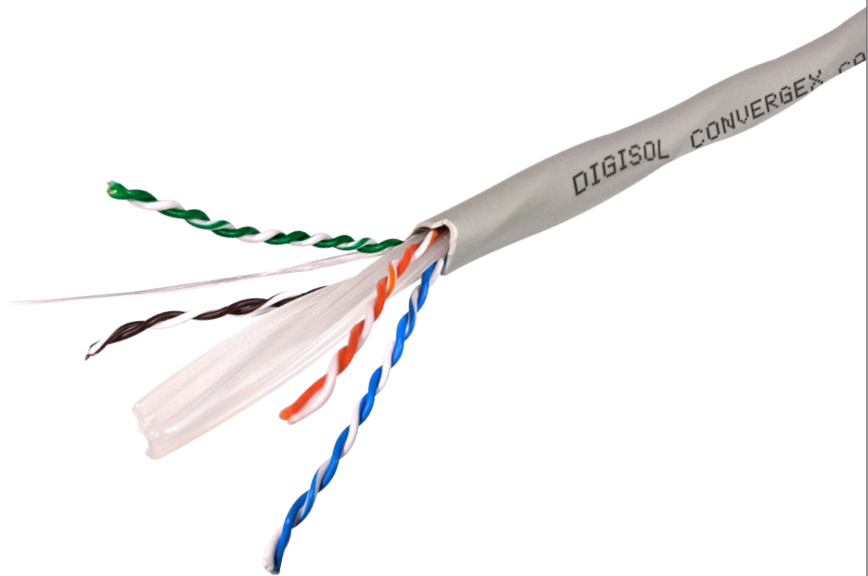
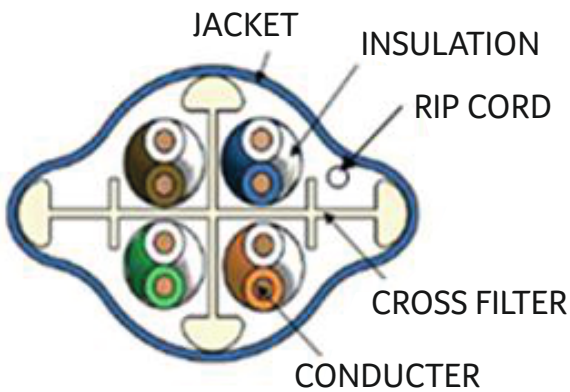


DIGISOL™
CONVERGEX
 ENTERPRISE SCS



DIGISOL CONVERGEX SOLID CABLE, CAT 6A UTP, 4 PAIR, 23 AWG, OVAL DESIGN, GREY, 305M

**Reduces Alien cross talk
 with unique oval design and
 pair locking cross-filler**



Introduction:-

DIGISOL Convergenx Cat 6A 4 Pair UTP Cable Has Been Designed for Horizontal Cabling Networks for Transmission of High Speed Data, Digital and Analog, Voice and Video Signals On Lans. Supports Gigabit Ethernet(10 GBase-T) Standard Suitable for Noisy Environments, High EMI Interference Surroundings and Complies to the Requirement of ANSI/TIA-568-C.2 and ISO/IEC 11801. Bandwidth Performance Upto 500MHz UL Listed and ETL Verified.

Key Features:-

- Designed for Horizontal Cabling
- Cabling Networks for Transmission of High Speed Data, Digital and Analog, Voice and Video Signals On Lans
- Supports Gigabit Ethernet (10 GBase-T) Standard
- Suitable for Noisy Environments, High EMI Interference Surroundings
- Complies to the Requirement of ANSI/TIA-568-C.2 and ISO/IEC 11801
- Unique Oval design and pair locking cross-filler
- Bandwidth Performance Upto 600MHz
- UL Listed and ETL Verified.





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Technical Specifications:-

Mechanical Properties:-

Conductor	: Solid Bare Copper
Conductor Diameter	: (23 AWG) 0.57 ± 0.01 mm
Insulation	: Polyethylene
Insulation Diameter	: 1.04 ± 0.05 mm
Pairs	: 4 Pair Twisted together
Sheath	: FRPVC/LSZH sheath
Cable Diameter	: 7.8 ± 0.3 mm
Filler	: HDPE Cross Filler
Rip Cord	: Yes
Bending Radius	: < 4X Cable Diameter at -20°C +/- 1°C
Pulling Force	: 25.35 LBS
Operating Temperature Range	: (-10°C to +60°C)
Installation Temperature Range	: (-10°C to +60°C)

Electrical Properties:-

Conductor Resistance (For 100m)	: 9.50 OHMS
Mutual Capacitance (For 100m)	: 5.6 NF

Resistance Unbalance (%)	: Max 5
Pair to Ground Unbalance (For 100m)	: 330PF/100m Max Capacitance
Delay Skew (For 100m)	: 45 NS
Normal Velocity of Propagation (%)	: 69%
IMPEDANCE	: 100±15%OHMS
Worst Case cable skew (For 100m)	: 45NS

Color Code:-

Pair Number	: Color
1 - 2	: White-Orange Stripe and Orange
3 - 6	: White-Green Stripe and Green
4 - 5	: White-Blue Stripe and Blue
7 - 8	: White-Brown Stripe and Brown
Flame Rating	: CM
Packing	: 305 Mtrs. in Reel-Free design
Standards	: Confirming to EIA/TIA 568-C and IEC/ISO 11801 UL-ETL Verified to ANSI/TIA-568-C.2 RoHS Compliant

Electrical Performance Parameters:-

Frequency MHZ	Insertion Loss (dB/100m)	Next Pair to Pair (dB/100m)	Next Power Sum (dB/100m)	ACRF (dB/100m)	Power Sum (dB/100m)	Return Loss (dB/100m)
1	2.1	75.3	72.3	63.3	60.3	20
4	3.8	66.3	63.3	51.2	48.2	23
10	5.9	60.3	57.3	43.3	40.3	25
16	7.5	57.2	54.2	39.2	36.2	25
20	8.4	55.8	52.8	37.2	34.2	25
31.25	10.5	52.9	49.9	33.4	30.4	23.6
62.5	15.0	48.4	45.4	27.3	24.3	21.5
100	19.1	45.3	42.3	23.3	20.3	20.1
200	27.6	40.8	37.8	17.2	14.2	18.0
250	31.1	39.3	36.3	15.3	12.3	17.3
300	34.3	38.1	35.1	13.7	10.7	17.3
400	40.1	36.3	33.3	11.2	8.2	17.3
500	45.3	34.8	31.8	9.3	6.3	17.3

Ordering Information:-

Product Code	Description
DGCE-SCAU4F-3GW	DIGISOL CONVERGEX SOLID CABLE, CAT 6A UTP, 4 PAIR, 23 AWG, OVAL DESIGN, GREY, 305M

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